

=> fil reg

FILE 'REGISTRY' ENTERED AT 17:20:37 ON 18 SEP 2001
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STRUCTURE FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5
 DICTIONARY FILE UPDATES: 17 SEP 2001 HIGHEST RN 357258-84-5

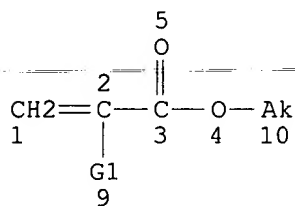
TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
 for details.

=> d sta que 127

L16 STR



VAR G1=H/M/ET

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

GGCAT IS HIC AT 10

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 7

STEREO ATTRIBUTES: NONE

L25 SCR 970 AND 1312

L27 17783 SEA FILE=REGISTRY CSS FUL L16 AND L25

100.0% PROCESSED 285373 ITERATIONS

17783 ANSWERS

SEARCH TIME: 00.00.11

=> d his

(FILE 'HCAPLUS' ENTERED AT 16:24:20 ON 18 SEP 2001)

DEL HIS
 E ROULIER V/AU
 L1 19 S E4,E5
 E QUEMIN E/AU
 L2 8 S E4
 L3 24 S L1,L2
 E WO99-FR2361/AP,PRN
 L4 1 S E3,E4
 E FR98-12622/AP,PRN
 L5 1 S E3,E4
 L6 1 S L4,L5
 E EP268164/PN
 L7 1 S E3

FILE 'REGISTRY' ENTERED AT 16:29:03 ON 18 SEP 2001

L8 1 S 145687-02-1

Point of Contact:
 Jan Delavel
 Librarian-Physical Sciences
 CMI 1E01 Tel: 308-4498

L9 E PEMULEN/CN
2 S E6,E7
L10 E CARBOPOL/CN
1 S E6

FILE 'HCAPLUS' ENTERED AT 16:30:35 ON 18 SEP 2001
SEL RN L7

FILE 'REGISTRY' ENTERED AT 16:30:39 ON 18 SEP 2001
L11 4 S E1-E4
L12 STR
L13 50 S L12
L14 STR L12
L15 50 S L14 CSS
L16 STR L14
L17 39 S L16
L18 28 S L16 CSS

FILE 'HCAPLUS' ENTERED AT 16:35:17 ON 18 SEP 2001
L19 140 S L8
L20 237 S L9
L21 32 S L10
L22 272 S PEMULEN() (TR1 OR TR2 OR TR() (1 OR 2))
L23 46 S (CARBOPOL OR CARBOMER) ()1382
L24 310 S L19-L23

FILE 'REGISTRY' ENTERED AT 16:36:43 ON 18 SEP 2001
L25 SCR 970 AND 1312
L26 50 S L16 AND L25 CSS
L27 17783 S L16 AND L25 CSS FUL
SAV TEMP L27 ALYSIA555/A
L28 250 S L27 AND 1/NC
L29 57 S L28 AND PMS/CI
L30 51 S L29 NOT (N OR F)/ELS
L31 10 S L30 NOT HOMOPOLYMER
L32 5 S L31 NOT (DIMER OR TRIMER OR TETRAMER)
L33 5 S L31 NOT L32
L34 46 S L30 NOT L33

FILE 'HCAPLUS' ENTERED AT 16:44:40 ON 18 SEP 2001
L35 962 S L34
L36 1272 S L24,L35

FILE 'REGISTRY' ENTERED AT 16:45:08 ON 18 SEP 2001
L37 STR L16
L38 8355 S L37 FUL SUB=L27
SAV L38 ALYSIA555A/A
L39 31 S L38 AND 2/NC
L40 29 S L39 NOT PROPANEDIOL

FILE 'HCAPLUS' ENTERED AT 16:48:07 ON 18 SEP 2001
L41 642 S L40
L42 1868 S L36,L41

FILE 'REGISTRY' ENTERED AT 16:49:05 ON 18 SEP 2001
L43 STR
L44 34 S L43 SAM SUB=L27
L45 562 S L43 FUL SUB=L27
SAV L45 ALYSIA555B/A
L46 11 S L45 AND 2/NC

FILE 'HCAPLUS' ENTERED AT 16:50:16 ON 18 SEP 2001
L47 22 S L46
L48 1885 S L42,L47
L49 2 S L48 AND L3
L50 3 S L6,L7,L49

SEL RN

FILE 'REGISTRY' ENTERED AT 16:51:18 ON 18 SEP 2001

L51 21 S E5-E25
L52 5 S L51 AND L8-L10,L11,L27
L53 16 S L51 NOT L52
L54 13 S L53 NOT UNSPECIFIED
L55 9 S L54 NOT (S OR N)/ELS
L56 3 S L55 NOT C2H4O
L57 2 S L56 AND 2/NC

FILE 'HCAPLUS' ENTERED AT 16:54:20 ON 18 SEP 2001

L58 105 S L57
L59 1978 S L58,L48
L60 2 S L3 AND L59
L61 3 S L50,L60
L62 390 S L59 AND ?EMULS?
L63 88 S L62 AND (SURFACTANT OR SURFACE ACTIVE)
L64 1743 S L59 AND (PD<=19981008 OR PRD<=19981008 OR AD<=19981008 OR PY<
L65 341 S L62 AND L64
L66 78 S L63 AND L65
E EMULSION/CT
E E66+ALL
L67 15494 S E3,E15,E16,E20,E21
L68 2293 S E23
L69 20 S L65 AND L67,L68
L70 8 S L69 AND COSMETIC#/SC,SX,CW,BI
L71 2 S L69 AND TRIETHANOLAMINE

FILE 'REGISTRY' ENTERED AT 17:01:15 ON 18 SEP 2001

L72 1 S 102-71-6

FILE 'HCAPLUS' ENTERED AT 17:01:22 ON 18 SEP 2001

L73 25 S L72 AND L64
L74 56 S (TRIETHANOLAMINE OR TRIETHANOL AMINE OR TRI ETHANOLAMINE OR T
L75 28 S L73,L74 AND L65
L76 2 S L73,L74 AND L69
L77 28 S L75,L76
L78 24 S L77 AND COSMETIC#/SC,SX,CW,BI
L79 30 S L70,L78
L80 4 S L77,L71 NOT L79
L81 20 S L64 AND L67,L68
L82 78 S L65,L81 AND (SURFACTANT OR SURFACE ACTIVE)
L83 27 S L82 AND COSMETIC#/SC,SX,CW,BI
L84 10 S L83 AND SURFACTANT#/CW
L85 17 S L83 NOT L84
SEL DN 2 6 7 15 16 L85
L86 12 S L85 NOT E1-E5
L87 29 S L79 NOT BENZOTRIAZOL?
L88 28 S L87 NOT BENZAZOLE
SEL DN 1 14 16 19 27
L89 5 S E6-E10
L90 16 S L86,L89
L91 18 S L6,L7,L50,L61,L90 AND L1-L7,L19-L24,L35,L36,L41,L42,L47-L50,L

FILE 'REGISTRY' ENTERED AT 17:20:37 ON 18 SEP 2001

=> fil hcaplus

FILE 'HCAPLUS' ENTERED AT 17:20:55 ON 18 SEP 2001
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FILE COVERS 1947 - 18 Sep 2001 VOL 135 ISS 13
FILE LAST UPDATED: 17 Sep 2001 (20010917/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

HCAplus now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

=> d all hitstr tot 191

L91 ANSWER 1 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 2000:755204 HCAPLUS

DN 133:325465

TI Whipped compositions containing amphiphilic polymers and anionic surfactants

IN Roulier, Veronique; Daubige, Therese

PA L'oreal, Fr.

SO Eur. Pat. Appl., 15 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-00

ICS A61K007-48; A61K007-06

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1046387	A1	20001025	EP 2000-400778	20000321
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	FR 2792545	A1	20001027	FR 1999-4968	19990420
	FR 2792545	B1	20010601		
	JP 2001019859	A2	20010123	JP 2000-118615	20000419
	US 6251954	B1	20010626	US 2000-553412	20000420
PRAI	FR 1999-4968	A	19990420		

AB Whipped compns. contg. air or inert gases, amphiphilic polymers, and anionic surfactants with d. of 0.2-0.8 are disclosed. A cream with a light texture similar to a mousse contained apricot oil 10, sodium lauryl ether sulfate 2, cetyl alc. 2, sucrose stearate 5, Pemulen TR2 0.4, preservatives 1, and water q.s. 100%.

ST whipped cosmetic amphiphilic polymer anionic surfactant

IT Surfactants

(anionic; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Cosmetics

(cleansing; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Cosmetics

(creams; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Skin, disease

(dry; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Cosmetics

(lipsticks; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Cosmetics
(makeup removers; whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Air
Hair preparations
(whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT Mucopolysaccharides, biological studies
Noble gases, biological studies
Polymers, biological studies
Polyurethanes, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(whipped compns. contg. amphiphilic polymers and anionic surfactants)

IT 79-06-1D, Acrylamide, alkyl derivs., polymers with acrylates and methacrylates 79-10-7D, Acrylic acid, polymers with alkylacrylamides and methacrylates 7664-93-9D, Sulfuric acid, salts, ethers 9004-34-6D, Cellulose, ethers 9004-82-4, Sodium lauryl ether sulfate 9057-02-7, Pullulan 11078-30-1, Galactomannan **28062-60-4**, Acrylic acid-dodecyl methacrylate copolymer 75760-37-1, Methacrylic acid-ethyl acrylate-polyethylene glycol stearyl ether methacrylate copolymer 75760-38-2, Methacrylic acid-ethyl acrylate-polyethylene glycol lauryl ether acrylate copolymer 83120-95-0, Acrylic acid-1-vinyl-2-pyrrolidone-dodecyl methacrylate copolymer 109292-17-3, Methacrylic acid-ethyl acrylate-polyethylene glycol allyl stearyl ether copolymer 116464-16-5 **145687-02-1, Pemulen TR2** 211618-74-5, Methacrylic acid-ethyl acrylate-polyethylene glycol nonylphenyl ether acrylate copolymer **259661-95-5**, Acrylic acid-vinyl isodecanoate copolymer 259665-23-1, Acrylic acid-polyoxyethylene monoitaconate stearyl ether copolymer
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(whipped compns. contg. amphiphilic polymers and anionic surfactants)

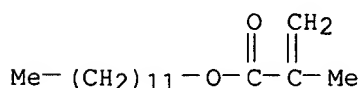
RE.CNT 9
RE
(1) Ausimont Spa; EP 0864317 A 1998 HCAPLUS
(2) Caudet, A; US 5104643 A 1992 HCAPLUS
(3) Colgate-Palmolive; FR 1256438 A 1961
(4) Fowler, T; US 5635469 A 1997
(5) Monson, J; WO 9720626 A 1997 HCAPLUS
(6) Oreal; EP 0835647 A 1998 HCAPLUS
(7) Procter & Gamble; EP 0205306 A 1986 HCAPLUS
(8) Tyndale Plains Hunter Ltd; WO 9808884 A 1998 HCAPLUS
(9) Youngblood, E; US 3471624 A 1969 HCAPLUS

IT **28062-60-4**, Acrylic acid-dodecyl methacrylate copolymer **145687-02-1, Pemulen TR2** **259661-95-5**, Acrylic acid-vinyl isodecanoate copolymer
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)
(whipped compns. contg. amphiphilic polymers and anionic surfactants)

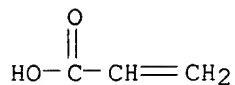
RN **28062-60-4** HCAPLUS
CN 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 142-90-5
CMF C16 H30 O2



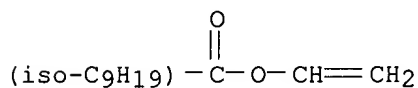
CM 2

CRN 79-10-7
CMF C3 H4 O2RN 145687-02-1 HCAPLUS
CN Pemulen TR 2 (9CI) (CA INDEX NAME)

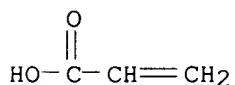
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 259661-95-5 HCAPLUS
CN Isodecanoic acid, ethenyl ester, polymer with 2-propenoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 7748-27-8
CMF C12 H22 O2
CCI IDS
CDES 8:ID,ISO

CM 2

CRN 79-10-7
CMF C3 H4 O2

L91 ANSWER 2 OF 18 HCAPLUS COPYRIGHT 2001 ACS
AN 2000:259955 HCAPLUS
DN 132:269833
TI Stable oil-in-water emulsion, containing carboxylic acid
polymers for use in cosmetics and dermatology
IN Roulier, Veronique; Quemin, Eric
PA L'Oreal, Fr.
SO PCT Int. Appl., 13 pp.
CODEN: PIXXD2
DT Patent
LA French
IC ICM A61K007-00
CC 62-3 (Essential Oils and Cosmetics)
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000021491	A1	20000420	WO 1999-FR2361	19991004 <--
	W: BR, CA, JP, KR, US				
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,				
	PT, SE				

FR 2784310 A1 20000414 FR 1998-12622 19981008 <--
 FR 2784310 B1 20001110
 EP 1047372 A1 20001102 EP 1999-946286 19991004 <--
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, FI

BR 9915585 A 20010703 BR 1999-15585 19991004 <--
 PRAI FR 1998-12622 A 19981008 <--
 WO 1999-FR2361 W 19991004 <--

AB The invention concerns an **emulsion** comprising an oily phase dispersed in an aq. phase, characterized in that the oily phase globules have an av. size less than 20 .mu.m, the oily phase constitutes at least 15 wt. % relative to the **emulsion** total wt. and the aq. phase contains at least a copolymer consisting of a majority fraction of C3-C6 carboxylic acid monomer with mono-olefin unsatn. or its anhydride and a minority fraction of an acrylic acid fatty chain ester monomer, and is **surfactant-free**. The invention also concerns the use of said **emulsion** in **cosmetics** and/or dermatol., in particular for the treatment, protection, care and/or cleaning of the skin, mucous membranes and/or hair, and/or as make-up for the skin and/or mucous membranes. The invention further concerns a method for prepg. said **emulsion**, which consists in introducing under pressure the oily phase into the aq. phase contg. the copolymer, through a porous hydrophilic glass membrane having an av. pore size ranging from 0.1 to 5 <mm and preferably from 0.3 to 3 <mm, under pressure higher than crit. pressure. An **emulsion** contained **Pemulen TR2**

0.75, **triethanolamine** 0.75, preservatives 0.2, volatile silicone oil 20, and water q.s. 100%.

ST stability **cosmetic emulsion** carboxylic acid polymer

IT **Cosmetics**

(cleansing; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT **Cosmetics**

(**emulsions**; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Carboxylic acids, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(hydroxy, polymers; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT **Cosmetics**

(makeups; stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Antioxidants

Gelation agents

Perfumes

Pigments, nonbiological

Preservatives

Solvents

Sunscreens

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Acrylic polymers, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT Acids, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

IT 145687-02-1, **Pemulen TR2**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water **emulsion**, contg. carboxylic acid polymers for use in **cosmetics** and dermatol.)

RE.CNT 1

RE

(1) L'Oreal; FR 2693733 A 1994 HCAPLUS

IT 145687-02-1, Pemulen TR2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable oil-in-water emulsion, contg. carboxylic acid polymers for use in cosmetics and dermatol.)

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 3 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1999:355710 HCAPLUS

DN 131:9468

TI Water-in-oil dermo-cosmetic composition free of emulsifying surfactants

IN Coutelle, Herve; Ginestar-Gonzalez, Jose; Fabre, Jean-Pierre

PA Pierre Fabre Dermo-Cosmetique, Fr.

SO PCT Int. Appl., 21 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9926587	A1	19990603	WO 1998-FR2507	19981124 <--
	RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2771293	A1	19990528	FR 1997-14713	19971124 <--
PRAI	FR 1997-14713		19971124 <--		
AB	The invention concerns a novel dermo-cosmetic compn. in the form of a water-in-oil emulsion, stable and free of emulsifying agent, and comprising at least a lipophilic agent with a HLB .ltoreq.3. A sunscreen contained isododecane 1, capric/caprylic triglyceride 1, PEG 45/dodecyl glycol copolymer 0.01, hydroxylated triglycerides 0.1, Pemulen TR1 0.01, xanthan gum 0.05, titanium dioxide 1, zinc oxide 1, cinnamic esters 0.1, dibenzoyl methane 0.05, free radical inhibitors 0.01, preservatives, fragrances, sodium hydroxide and water q.s., 100%.				
ST	cosmetic compn emulsifier surfactant sunscreen triglyceride				
IT	Shaving preparations (aftershave; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)				
IT	Cosmetics (emollients; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)				
IT	Cosmetics (emulsions; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)				
IT	Cosmetics (lotions; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)				
IT	Perfluoro compounds RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (perfluoroalkyl ethers, poly, methyl-iso-Pr; water-in-oil dermo-cosmetic compn. free of emulsifying surfactants)				
IT	Ethers, biological studies RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (perfluoroalkyl, poly, methyl-iso-Pr; water-in-oil dermo-				

cosmetic compn. free of **emulsifying surfactants**)

- IT Fats and Glyceridic oils, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (vegetable; water-in-oil dermo-cosmetic compn. free of **emulsifying surfactants**)
- IT Humectants
 Sunscreens
 (water-in-oil dermo-cosmetic compn. free of **emulsifying surfactants**)
- IT Glycerides, biological studies
 Paraffin oils
 Polysiloxanes, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (water-in-oil dermo-cosmetic compn. free of **emulsifying surfactants**)
- IT 105-62-4, Propylene glycol dioleate 18641-57-1, Tribehenin 25637-84-7,
 Glyceryl dioleate 99880-64-5, Glyceryl dibehenate
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
 (water-in-oil dermo-cosmetic compn. free of **emulsifying surfactants**)

RE.CNT 3

RE

- (1) Pierre Fabre Dermo-Cosmetique; WO 9512381 A 1995 HCAPLUS
 (2) Pola Chem Ind; JP 61037710 A 1986 HCAPLUS
 (3) Unilever; EP 0150914 A 1985 HCAPLUS

L91 ANSWER 4 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1998:650918 HCAPLUS

DN 129:335509

TI Storage-stable oil-in-water **emulsions** containing modified carboxyvinyl polymers and acetylated hyaluronic acid

IN Tokue, Wataru; Nishiyama, Seiji

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS A61K007-48; B01F017-52; B01F017-56; B01J013-00; A61K047-36

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 10265332	A2	19981006	JP 1997-93105	19970326 <--

AB The title **emulsions**, useful for **cosmetics**, contain alkyl-modified carboxyvinyl polymers 0.005-1, oils 0.1-50, and acetylated hyaluronic acid (the degree of substitution of acetyl groups per constituent unit is 2-4) 0.0001-10 wt.%. The **emulsions** may not substantially contain **surfactants**. A compn. contg. liq. paraffin 10.0, squalane 3.0, alkyl-modified carboxyvinyl polymer (**Pemulen TR 2**) 0.3, KOH 0.1, acetylated hyaluronic acid (acetylation degree 3.5) 0.2, glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H2O to 100 wt.% was stable at 50.degree. for 1 mo without oil sepn.

ST **cosmetic emulsion** stability carboxyvinyl polymer hyaluronate; acetylated hyaluronic acid **cosmetic emulsion** stability

IT Vinyl polymers
 RL: BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses)
 (carboxy-contg., alkyl-modified; storage-stable oil-in-water **cosmetic emulsions** contg. alkyl-modified carboxyvinyl

polymers and acetylated hyaluronic acid)

IT **Cosmetic emulsions**
(storage-stable oil-in-water **cosmetic emulsions**
contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

IT 96827-24-6, Carbopol 1342 138789-85-2, Pemulen
TR 1 145687-02-1, Pemulen TR
2 158254-23-0
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
BIOL (Biological study); USES (Uses)
(storage-stable oil-in-water **cosmetic emulsions**
contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

IT 138789-85-2, Pemulen TR 1
145687-02-1, Pemulen TR 2
RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
BIOL (Biological study); USES (Uses)
(storage-stable oil-in-water **cosmetic emulsions**
contg. alkyl-modified carboxyvinyl polymers and acetylated hyaluronic acid)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS
CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 5 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1998:219619 HCAPLUS

DN 128:286212

TI Copolymer for **cosmetic** compositions with reduced transfer and migration

IN Favre, Sophie; Terren, Nadia; Michelet, Jacques

PA L'Oreal, Fr.

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA French

IC ICM A61K007-48

ICS A61K007-02

CC 62-4 (Essential Oils and **Cosmetics**)

Section cross-reference(s): 38, 39, 63

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 832645	A1	19980401	EP 1997-402143	19970916 <--
	EP 832645	B1	19990714		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	FR 2753625	A1	19980327	FR 1996-11512	19960920 <--
	FR 2753625	B1	19981023		
	ES 2136462	T3	19991116	ES 1997-402143	19970916 <--
	CA 2214892	AA	19980320	CA 1997-2214892	19970919 <--
	JP 10101521	A2	19980421	JP 1997-255765	19970919 <--
	JP 3073470	B2	20000807		
	BR 9702898	A	19990223	BR 1997-2898	19970919 <--
PRAI	FR 1996-11512	A	19960920	<--	

AB The title copolymer, which is eventually crosslinked, contains a major fraction of C3-6 monoolefinically unsatd. carboxylic acid or its anhydride and a minor fraction of a fatty acrylate; the polymer is used in **cosmetic**, dermatol., hygienic, and/or pharmaceutical compns. to limit, decrease, or suppress transfer and/or migration of the compn. Thus, an **emulsion** contg. Pemulen TR2 (a C10-30 alkyl acrylate copolymer), a crosslinked poly(2-acrylamido-2-

methylpropanesulfonic acid) ammonium salt, Q2-1403 (PDMS), and pigments was prepd. which exhibited excellent non-transfer properties in testing the transfer of the **cosmetic** compn. to a polyester tissue. Addn. of .ltoreq.10% apricot oil to the **emulsion** did not affect the excellent non-transfer properties.

- ST **cosmetic** compn reduced transfer migration; dermatol compn reduced transfer migration; pharmaceutical compn reduced transfer migration; hygienic compn reduced transfer migration; fatty acrylate copolymer **cosmetic** compn
- IT Fatty alcohols
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(acrylates, polymers; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- IT Oil-in-water emulsions
Water-in-oil emulsions
(**cosmetic**; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- IT Makeups
(eye liners; fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- IT **Cosmetic emulsions**
Cosmetic gels
Cosmetics
Eye shadows
Foundations (**cosmetics**)
Lipsticks
Makeups
Mascaras
Nail polishes
Skin cleansers
Sunscreens
Suntanning agents
Topical drug delivery systems
(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- IT 79-10-7D, Acrylic acid, fatty alkyl esters, polymers 121601-24-9, 2-Acrylamido-2-methylpropanesulfonic acid homopolymer ammonium salt 138757-67-2, Carbopol 980 145687-02-1, Pemulen TR 2
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- IT 145687-02-1, Pemulen TR 2
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(fatty acrylate-olefinic carboxylic acid copolymers for **cosmetic** compns. with reduced transfer and migration)
- RN 145687-02-1 HCAPLUS
CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 6 OF 18 HCAPLUS COPYRIGHT 2001 ACS
AN 1998:21371 HCAPLUS
DN 128:106234
TI Use of derivatives of succinic anhydrides in skin cleansing composition
IN Simon, Pascal; Bollens, Eric; Gagnebien, Didier
PA L'Oreal, Fr.
SO Eur. Pat. Appl., 9 pp.
CODEN: EPXXDW
DT Patent
LA French
IC ICM A61K007-06

ICS A61K007-48; A61K007-02; A61K007-50

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 813860	A1	19971229	EP 1997-401116	19970521 <--
	EP 813860	B1	19990203		
	R: DE, ES, FR, GB, IT				
	FR 2750044	A1	19971226	FR 1996-7777	19960621 <--
	ES 2130869	T3	19990701	ES 1997-401116	19970521 <--
	JP 10059822	A2	19980303	JP 1997-163080	19970619 <--
	JP 2928203	B2	19990803		
	US 5993793	A	19991130	US 1997-878765	19970619 <--
PRAI	FR 1996-7777		19960621		<--

AB Derivs. of succinic anhydrides are useful for use in the skin cleansing compns. A make-up remover contained ethyl-2-hexylpalmitate 15, a mixt. of succinic anhydride derivs. 1.5, **Pemulen TR2** 0.7, **triethanolamine** 0.5, preservatives 0.2, perfume 0.3, and water q.s. 100%.

ST succinic anhydride deriv skin cleansing compn

IT Bath preparations

(gels; use of derivs. of succinic anhydrides in skin cleansing compn.)

IT **Cosmetics**

Makeups

(makeup removers; use of derivs. of succinic anhydrides in skin cleansing compn.)

IT **Cosmetic emulsions**

Cosmetic gels

Lotions (**cosmetics**)

Shampoos

(use of derivs. of succinic anhydrides in skin cleansing compn.)

IT Esters, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(use of derivs. of succinic anhydrides in skin cleansing compn.)

IT 201354-17-8 201354-18-9 201354-19-0

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(use of derivs. of succinic anhydrides in skin cleansing compn.)

L91 ANSWER 7 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1997:648494 HCAPLUS

DN 127:311375

TI Oil-in-water **emulsions** containing alkyl-modified carboxyvinyl polymers

IN Watanabe, Hiroshi; Kanokogi, Hiroyuki; Ito, Kenzo

PA Shiseido Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS A61K009-107; A61K047-32; B01F017-52; B01J013-00

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09255529	A2	19970930	JP 1996-93186	19960323 <--

AB The **emulsions** contain (A) alkyl-modified carboxyvinyl polymers and (B) oily components which are solid at room temp., and show no. av. particle size of the oily components in the **emulsified** state < 1.μm. The compns. give moisturized texture to skin and show low-temp. stability although they contain no **surfactants**. A mixt. contg. liq. paraffin, dimethylpolysiloxane, stearyl alc, and stearic acid was **emulsified** with an aq. compn. contg. **Pemulen TR** -1, Carbopol 941, KOH, glycerin, EtOH, and p-HOC6H4CO2Me using a

homomixer or nanomizer to give an **emulsion**.
 ST **cosmetic emulsion** alkyl modified carboxyvinyl polymer
 IT Vinyl polymers
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (carboxy-contg., alkyl-contg.; particle size-controlled oil-in-water
emulsions contg. alkyl-modified carboxyvinyl polymers)
 IT **Cosmetic emulsions**
 Particle size
 Thickening agents
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 IT 138789-85-2, Pemulen TR 1
 145687-02-1, Pemulen TR 2
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (particle size-controlled oil-in-water **emulsions** contg.
 alkyl-modified carboxyvinyl polymers)
 RN 138789-85-2 HCAPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 8 OF 18 HCAPLUS COPYRIGHT 2001 ACS
 AN 1997:516308 HCAPLUS
 DN 127:123291
 TI Copolymers of carboxylic acids and polyunsaturated carboxylic acid
 derivatives and their use as thickeners and dispersants
 IN Schade, Christian; Wekel, Hans-Ulrich; Sanner, Axel; Sperling, Karin
 PA BASF A.-G., Germany; Schade, Christian; Wekel, Hans-Ulrich; Sanner, Axel;
 Sperling, Karin
 SO PCT Int. Appl., 20 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 IC ICM C08F220-04
 CC 46-3 (Surface Active Agents and Detergents)
 Section cross-reference(s): 35, 62, 63

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9721744	A1	19970619	WO 1996-EP5522	19961211 <--
W: AU, BG, BR, CA, CN, CZ, GE, HU, IL, JP, KR, LV, MX, NO, NZ, PL,				
RO, RU, SG, SI, SK, TR, UA, US, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19546698	A1	19970619	DE 1995-19546698	19951214 <--
CA 2237058	AA	19970619	CA 1996-2237058	19961211 <--
AU 9711926	A1	19970703	AU 1997-11926	19961211 <--
EP 866814	A1	19980930	EP 1996-943078	19961211 <--
EP 866814	B1	20000322		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1204345	A	19990106	CN 1996-198966	19961211 <--
JP 2000501760	T2	20000215	JP 1997-521732	19961211 <--
ES 2144799	T3	20000616	ES 1996-943078	19961211 <--
US 6015551	A	20000118	US 1998-77598	19980602 <--
PRAI DE 1995-19546698	A	19951214		<--

WO 1996-EP5522 W 19961211 <--

AB The copolymers are obtained by radically initiated polymn. of (A) 70-99.9 wt.% olefinically unsatd. C3-5 monocarboxylic acid(s) and/or olefinically unsatd. C4-8 dicarboxylic acid(s) or anhydride(s) with (B) 0.1-30 wt.% .gtoreq.1 carboxylic acid derivs. QY(CHR3CH2X)nR4 [Q = CH2:CH, CH2:CHCH2, R2CH:CR1CO; R1, R2 = H, Me; R3 = H, Me, Et; R4 = olefinically unsatd. nonarom. C6-30 hydrocarbyl or C9-15 arylalkylene; X = O, NH; Y = O, NR (R = H, alkyl); n = 0-50] and (C) 0-29.9 wt.% other unsatd. monomers. The copolymers serve as thickeners and or dispersants in aq. systems, esp. in **cosmetic** or pharmaceutical compns. Thus, 250 g acrylic acid and 10 g oleyl methacrylate were copolymd. at 80.degree. in MeCCl3; a dispersion of 1.0 g of the copolymer (I) in 190 mL water, neutralized with 10 mL 10% **triethanolamine**, gave a gel with viscosity 10.0 Pa-s at 23.degree.. An **emulsion** formed from 0.4 g I, 30 mL paraffin oil, 100 mL water, and 4 mL 10% **triethanolamine** showed no signs of sepn. after 14 days.

ST carboxylic acid copolymer **emulsifier**; **cosmetic** formulation polymeric dispersant; pharmaceutical formulation polymeric dispersant; oleyl methacrylate crosslinking agent

IT Dispersing agents

Emulsifying agents

Thickening agents
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT **Cosmetic gels**
Drugs
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants for)

IT Crosslinking agents
(oleyl methacrylate; copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT 192649-32-4P, Acrylic acid-oleyl methacrylate copolymer 192649-33-5P
192649-34-6P, Acrylic acid-allyl oleyl ether copolymer
192649-35-7P, Acrylic acid-oleyl acrylate copolymer
192649-36-8P, Acrylic acid-oleyl methacrylate-stearyl methacrylate copolymer 192649-37-9P, Acrylic acid-1-octadecene-oleyl methacrylate-stearyl methacrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

IT **192649-35-7P**, Acrylic acid-oleyl acrylate copolymer
RL: IMF (Industrial manufacture); MOA (Modifier or additive use); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(copolymers of carboxylic acids and polyunsatd. carboxylic acid derivs. as thickeners and dispersants)

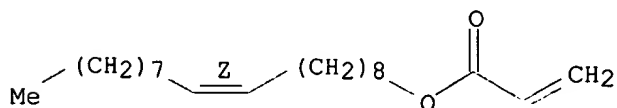
RN 192649-35-7 HCAPLUS

CN 2-Propenoic acid, polymer with (Z)-9-octadecenyl 2-propenoate (9CI) (CA INDEX NAME)

CM 1

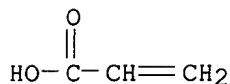
CRN 13533-18-1
CMF C21 H38 O2
CDES 2:Z

Double bond geometry as shown.



CM 2

CRN 79-10-7
CMF C3 H4 O2



L91 ANSWER 9 OF 18 HCAPLUS COPYRIGHT 2001 ACS
AN 1997:226036 HCAPLUS
DN 126:216466
TI Light-stable **emulsion** compositions containing carboxyvinyl
polymers for **cosmetics**
IN Hosokawa, Kinya; Nishama, Seiji
PA Shiseido Co Ltd, Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
IC ICM B01F017-52
ICS A61K007-00; A61K007-02; A61K009-107; A61K047-02; A61K047-32;
B01F017-34
CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09019632	A2	19970121	JP 1995-169114	19950704 <--
AB	Title compns., which show stability against light without surfactants , contain alkyl-modified carboxyvinyl polymers and metaphosphoric acid and/or its salts. A cleansing lotion was prepd. from squalane 10.0, iso-Pr palmitate 5.0, vaseline 3.0, di-Me polysiloxane 2.0, .alpha.-tocopherol 0.3, triethanolamine 0.25, polyethylene glycol 8.0, Me p-hydroxybenzoate 0.1, Na hexametaphosphate 0.1, Carbopol 1342 0.3, hydroxypropyl Me cellulose 0.1, and H2O to 100 wt.%.				
ST	emulsion cosmetic carboxyvinyl polymer metaphosphate				
IT	Vinyl polymers				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(carboxy-contg., alkyl-modified; light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)				
IT	Cosmetic emulsions				
	(light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)				
IT	Sodium polyphosphates				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)				
IT	10343-62-1, Metaphosphoric acid 50813-16-6, Sodium polymetaphosphate 96827-24-6, Carbopol 1342 138789-85-2, Pemulen				
	TR 1 145687-02-1, Pemulen				
	2				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)				
IT	138789-85-2, Pemulen TR 1				
	145687-02-1, Pemulen TR 2				
	RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)				
	(light-stable emulsions contg. carboxyvinyl polymers and metaphosphates for cosmetics)				

RN 138789-85-2 HCAPLUS
CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS
CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 10 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1997:207123 HCAPLUS

DN 126:203583

TI Stable **emulsion** compositions containing carboxyvinyl polymers
for **cosmetics**

IN Hosokawa, Kinya; Watanabe, Hiroshi; Nishama, Seiji

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01F017-52

ICS A61K007-00; A61K007-02; A61K009-107; A61K047-32; B01F017-38

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09019631	A2	19970121	JP 1995-169113	19950704 <--
AB	Title compns., which show stability without surfactants , contain alkyl-modified carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone). A cleansing lotion was prepd. from squalane 10.0, iso-Pr palmitate 5.0, vaseline 3.0, di-Me polysiloxane 2.0, .alpha.-tocopherol 0.3, triethanolamine 0.25, polyethylene glycol 8.0, Me p-hydroxybenzoate 0.1, Na metaphosphate 0.1, poly(vinylpyrrolidone) 0.1, Carbopol 1342 0.3, hydroxypropyl Me cellulose 0.1, and H2O to 100 wt.%. ST emulsion cosmetic carboxyvinyl polymer polyvinylpyrrolidone; polyvinyl alc emulsion cosmetic IT Vinyl polymers RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (carboxy-contg., alkyl-modified; stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics) IT Cosmetic emulsions Emulsions (stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics) IT 9002-89-5, Poly(vinyl alcohol) 9003-20-7, Poly(vinyl acetate) 9003-39-8, Poly(vinylpyrrolidone) 96827-24-6, Carbopol 1342 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics) IT 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (stable emulsions contg. carboxyvinyl polymers and poly(vinyl alcs.) or poly(vinylpyrrolidone) for cosmetics) RN 138789-85-2 HCAPLUS CN Pemulen TR 1 (9CI) (CA INDEX NAME)				

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 11 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:641087 HCAPLUS

DN 125:256812

TI Stable **cosmetic emulsions** containing carboxyvinyl polymers and vinylpyrrolidone-.alpha.-olefin copolymers

IN Hiraiwa, Hiromi; Ito, Kenzo; Terai, Hideo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 4 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C08L033-10; C08L039-06

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 08217628	A2	19960827	JP 1995-31194	19950220 <--
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AB The **emulsions**, which are mild to skin and show good water resistance and skin-protecting effect, contain alkyl-modified carboxyvinyl polymers and poly(vinylpyrrolidone)-.alpha.-olefin copolymers. The **emulsions** do not practically contain **surfactants**. A **cosmetic emulsion** contg. 2 wt.% Antaron V 220 (vinylpyrrolidone-eicosene copolymer) 0.2 wt.% **Pemulen TR 1** (alkyl-modified carboxyvinyl polymer), etc. was stable at 50.degree. for 1 mo.

ST carboxyvinyl polymer vinylpyrrolidone copolymer **cosmetic emulsion**

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(carboxy-contg., polymers, stable **cosmetic emulsions** contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT **Cosmetics**

(**emulsions**, stable **cosmetic emulsions** contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT 28211-18-9, Antaron V 220 32440-50-9, Antaron V 216 96827-24-6, Carbopol 1342 138789-85-2, **Pemulen TR**

1 145687-02-1, **Pemulen TR 2**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable **cosmetic emulsions** contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

IT 138789-85-2, **Pemulen TR 1**

145687-02-1, **Pemulen TR 2**

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable **cosmetic emulsions** contg. alkyl-modified carboxyvinyl polymers and vinylpyrrolidone-olefin copolymers)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 12 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:641086 HCAPLUS

DN 125:256811
 TI Stable **cosmetic emulsions** containing carboxyvinyl
 polymers, oils, and gums
 IN Suzuki, Kazuaki; Tokue, Wataru; Ito, Kenzo
 PA Shiseido Co Ltd, Japan
 SO Jpn. Kokai Tokkyo Koho, 5 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 IC ICM A61K007-00
 ICS C08L033-10
 CC 62-4 (Essential Oils and **Cosmetics**)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08217627	A2	19960827	JP 1995-31193	19950220 <--

AB The **emulsions** contain alkyl-modified carboxyvinyl polymers,
 oils, and gums. The **emulsions** do not practically contain
surfactants. A **cosmetic emulsion** contg. liq.
 paraffin 10.0, squalane 3.0, **Pemulen TR-2**
 (alkyl-modified carboxyvinyl polymer) 0.3, KOH 0.1, xanthan gum 0.2,
 glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H2O to 100 wt.%-was-stable
 at 50.degree. for 1 mo.
 ST carboxyvinyl polymer oil gum **cosmetic emulsion**
 IT Gums and Mucilages
 (stable **cosmetic emulsions** contg. alkyl-modified
 carboxyvinyl polymers, oils, and gums)
 IT Cyclosiloxanes
 Paraffin oils
 Petrolatum
 Siloxanes and Silicones, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (stable **cosmetic emulsions** contg. alkyl-modified
 carboxyvinyl polymers, oils, and gums)
 IT Vinyl compounds, biological studies
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (carboxy-contg., polymers, stable **cosmetic emulsions**
 contg. alkyl-modified carboxyvinyl polymers, oils, and gums)
 IT **Cosmetics**
 (**emulsions**, stable **cosmetic emulsions**
 contg. alkyl-modified carboxyvinyl polymers, oils, and gums)
 IT Waxes and Waxy substances
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (jojoba, stable **cosmetic emulsions** contg.
 alkyl-modified carboxyvinyl polymers, oils, and gums)
 IT Fats and Glyceridic oils
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (macadamia nut, stable **cosmetic emulsions** contg.
 alkyl-modified carboxyvinyl polymers, oils, and gums)
 IT 111-01-3, Squalane 541-02-6, Decamethylcyclopentasiloxane 7360-38-5,
 Glyceryl tri(2-ethylhexanoate) 9000-01-5, Gum arabic 9000-30-0, Guar
 gum 9016-00-6, Dimethyl siloxane 11138-66-2, Keltrol 31900-57-9,
 Dimethylsilanediol homopolymer 96827-24-6, Carbopol 1342
 138789-85-2, **Pemulen TR 1**
 145687-02-1, **Pemulen TR 2**
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
 (Uses)
 (stable **cosmetic emulsions** contg. alkyl-modified
 carboxyvinyl polymers, oils, and gums)
 IT 138789-85-2, **Pemulen TR 1**
 145687-02-1, **Pemulen TR 2**
 RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(stable **cosmetic emulsions** contg. alkyl-modified carboxyvinyl polymers, oils, and gums)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 13 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:636776 HCAPLUS

DN 125:256810

TI Stable **cosmetic emulsions** containing carboxyvinyl polymers, oils, and glycyrrhizic acid salts

IN Tokue, Wataru; Sato, Hiroyoshi; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C07J063-00; C08L033-10

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08217625	A2	19960827	JP 1995-31192	19950220 <--

AB The **emulsions** contain alkyl-modified carboxyvinyl polymers, oils, and glycyrrhizic acid (I) salts. The **emulsions** do not practically contain **surfactants**. A **cosmetic emulsion** contg. liq. paraffin 10.0, squalane 3.0, **Pemulen TR-2** (alkyl-modified carboxyvinyl polymer) 0.3, KOH 0.1, I monoammonium salt 1.0, glycerin 5.0, EtOH 5.0, methylparaben 0.1, and H2O to 100 wt.% was stable at 50.degree. for 1 mo.

ST carboxyvinyl polymer glycyrrhizate oil **cosmetic emulsion**

IT Cyclosiloxanes
Lanolin
Olive oil
Paraffin oils
Petrolatum
Siloxanes and Silicones, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(stable **cosmetic emulsions** contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Vinyl compounds, biological studies
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(carboxy-contg., polymers, stable **cosmetic emulsions** contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT **Cosmetics**
(**emulsions**, stable **cosmetic emulsions** contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Waxes and Waxy substances
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(jojoba, stable **cosmetic emulsions** contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT Fats and Glyceridic oils
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(macadamia nut, stable **cosmetic emulsions** contg. carboxyvinyl polymers, oils, and glycyrrhizic acid salts)

IT 111-01-3, Squalane 541-02-6, Decamethylcyclopentasiloxane 7360-38-5,
Glyceryl tri(2-ethylhexanoate) 9016-00-6, Dimethyl siloxane
31900-57-9, Dimethylsilanediol homopolymer 53956-04-0, Monoammonium
glycyrrhizate 68797-35-3, Dipotassium glycyrrhizate 92353-16-7,
Hexyldecanol 96827-24-6, Carbopol 1342 **138789-85-2**,
Pemulen TR 1 145687-02-1,

Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(stable **cosmetic emulsions** contg. carboxyvinyl
polymers, oils, and glycyrrhizic acid salts)

IT **138789-85-2, Pemulen TR 1**
145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(stable **cosmetic emulsions** contg. carboxyvinyl
polymers, oils, and glycyrrhizic acid salts)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 14 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:636775 HCAPLUS

DN 125:256809

TI Stable **cosmetic emulsions** containing carboxyvinyl
polymers and carbohydrates

IN Sato, Hiroyoshi; Terai, Hideo; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM A61K007-00

ICS C08L033-10

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 08217624	A2	19960827	JP 1995-31191	19950220 <--

AB The **emulsions**, which are mild to skin, contain alkyl-modified
carboxyvinyl polymers and carbohydrates. The **emulsions** do not
practically contain **surfactants**. A **cosmetic**
emulsion contg. **Pemulen TR-1**

(alkyl-modified carboxyvinyl polymer) 0.2, glycerin (moisturizer) 10.0,
sorbitol 3.0 wt.%, etc. was formulated.

ST carboxyvinyl polymer carbohydrate **cosmetic emulsion**

IT Carbohydrates and Sugars, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(stable **cosmetic emulsions** contg. carboxyvinyl
polymers and carbohydrates)

IT Vinyl compounds, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses)

(carboxy-contg., polymers, stable **cosmetic emulsions**
contg. carboxyvinyl polymers and carbohydrates)

IT **Cosmetics**

(**emulsions**, Stable **cosmetic emulsions**
contg. carboxyvinyl polymers and carbohydrates)

IT 50-70-4, Sorbitol, biological studies 149-32-6, Erythritol 9004-61-9,
Hyaluronic acid 9062-04-8, Carbopol 941 96827-24-6, Carbopol 1342

138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable **cosmetic emulsions** contg. carboxyvinyl polymers and carbohydrates)

IT 138789-85-2, Pemulen TR 1

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(stable **cosmetic emulsions** contg. carboxyvinyl polymers and carbohydrates)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 15 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1996:431752 HCAPLUS

DN 125:95581

TI Stable **cosmetic emulsions** containing no **surfactants**

IN Hosokawa, Kinya; Nishama, Seiji; Ito, Kenzo

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01J013-00

ICS A61K007-00; A61K007-06; A61K007-48

CC 62-4 (Essential Oils and **Cosmetics**)

FAN: CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08126831	A2	19960521	JP 1994-290407	19941031 <--

PI JP 08126831 A2 19960521 JP 1994-290407 19941031 <--

AB An **emulsion** consists of (a) alkyl carboxyvinyl polymer such as acrylic acid-alkyl methacrylate copolymer, and (b) a C12-C28 liq. high member alc. at 25.degree., the alc. content being 0.5-5.0 wt. %. The oil content contg. silicone oil of the **emulsion** is 1-30 wt. %.

Emulsified particles are uniform and small, and the **emulsion** is stable for a long period.

ST **cosmetic emulsion** methacrylate polymer alc oil

IT Alcohols, biological studies

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(in stable **cosmetic emulsions** contg. no **surfactants**)

IT **Cosmetics**

(**emulsions**, stable **cosmetic emulsions** contg. no **surfactants**)

IT 79-41-4D, Methacrylic acid, alkyl ester, polymers 27458-93-1, Isostearyl alcohol 92353-16-7, Hexyldecanol 96827-24-6, Carbopol 1342

138789-85-2, Pemulen TR-1

145687-02-1, Pemulen TR-2

170754-45-7, 1-Tetradecanol, Decyl-

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)

(in stable **cosmetic emulsions** contg. no **surfactants**)

IT 138789-85-2, Pemulen TR-1

145687-02-1, Pemulen TR-2

RL: BUU (Biological use, unclassified); BIOL (Biological study); USES

(Uses)

(in stable **cosmetic emulsions** contg. no
surfactants)

RN 138789-85-2 HCAPLUS

CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS

CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 16 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1995:967525 HCAPLUS

DN 123:349925

TI **Emulsified** compositions containing cyclodextrins and
alkyl-modified carboxyvinyl polymers

IN Ito, Kenzo; Matsuda, Haku

PA Shiseido Co Ltd, Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM B01J013-00

ICS A61K007-00; A61K009-107; A61K047-32; A61K047-40

CC 62-4 (Essential Oils and **Cosmetics**)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07241457	A2	19950919	JP 1994-60232	19940304 <--
AB	Emulsified compns. contg. cyclodextrin and/or its derivs., oily components, and alkyl-modified carboxyvinyl polymers are claimed. The emulsified compns. show high storage stability in the absence of surfactants and are useful for manufg. cosmetics . Hydroxypropyl-.beta.-cyclodextrin 3.0, squalane 2.0, Pemulen TR 2 (alkyl-modified carboxyvinyl polymer) 0.5, KOH 0.2, EtOH 10.0, methylparaben 0.15 wt.%, and H2O balance were mixed to give an emulsion , which was stored at 50.degree. for 1 mo to show no sepn. of oil, while a control emulsion contg. laponite instead of Pemulen TR 2 showed obvious sepn. of oil.				
ST	cyclodextrin alkylated carboxyvinyl polymer emulsion ;				
IT	emulsion cosmetic alkylated carboxyvinyl polymer				
IT	Emulsifying agents (emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)				
IT	Cosmetics (emulsions , emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)				
IT	12619-70-4, Cyclodextrin 12619-70-4D, Cyclodextrin, maltosyl derivs. 107745-73-3, Hydroxypropyl .beta.-cyclodextrin 114101-73-4, Dexy Pearl K 50				
RL:	BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses) (emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)				
IT	79-10-7D, Acrylic acid, polymers with alkyl methacrylates 79-41-4D, Methacrylic acid, alkyl esters, polymers with acrylic acid 9062-04-8, Carbopol 941 96827-24-6, Carbopol 1342 138789-85-2, Pemulen TR 1 145687-02-1, Pemulen TR 2				
RL:	BUU (Biological use, unclassified); MOA (Modifier or additive use); BIOL (Biological study); USES (Uses) (emulsified compns. contg. cyclodextrin (derivs.), oils, and alkyl-modified carboxyvinyl polymers for cosmetics)				
IT	138789-85-2, Pemulen TR 1				

145687-02-1, Pemulen TR 2

RL: BUU (Biological use, unclassified); MOA (Modifier or additive use);
 BIOL (Biological study); USES (Uses)
 (emulsified compns. contg. cyclodextrin (derivs.), oils, and
 alkyl-modified carboxyvinyl polymers for cosmetics)

RN 138789-85-2 HCAPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 17 OF 18 HCAPLUS COPYRIGHT 2001 ACS

AN 1994:279857 HCAPLUS

DN 120:279857

TI Cosmetic composition in the form of a water/oil/water triple
 emulsion with gelled external phase

IN Nadaud, Jean Francois; Sebillotte, Laurence

PA Oreal S. A., Fr.

SO PCT Int. Appl., 33 pp.

CODEN: PIXXD2

DT Patent

LA French

IC ICM A61K009-113

ICS A61K007-00

CC 62-4 (Essential Oils and Cosmetics)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9402120	A1	19940203	WO 1993-FR714	19930713 <--
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	FR 2693733	A1	19940121	FR 1992-8870	19920717 <--
	FR 2693733	B1	19940916		
	EP 650352	A1	19950503	EP 1993-915994	19930713 <--
	EP 650352	B1	19960911		
	R: BE, CH, DE, ES, FR, GB, IT, LI, SE				
	JP 07509177	T2	19951012	JP 1993-504195	19930713 <--
	AU 670448	B2	19960718	AU 1993-45732	19930713 <--
	ES 2091625	T3	19961101	ES 1993-915994	19930713 <--
	US 5798108	A	19980825	US 1995-373209	19950310 <--
PRAI	FR 1992-8870		19920717 <--		
	WO 1993-FR714		19930713 <--		

AB A cosmetic compn. is comprised of a gelled water/oil/water triple emulsion contg. (A) a fatty phase comprising .gtoreq.1 wax having a m.p. of .gtoreq. 60.degree.C and forming the primary water/oil emulsion with an aq. phase; (B) a diln. oil; (C) a gelled continuous external aq. phase comprising .gtoreq.1 gelling agent having a fatty chain of the monoethylene C3-6 carboxylic acid or acid anhydride copolymer type or a fatty chain acrylic ester. The amt. of fatty phase from the water/oil emulsion is 1-30% and the amt. of wax having a m.p. of .gtoreq. 60.degree. is 0.2-10%, based on the total wt. of the triple emulsion. A cream contained vaseline oil 2.7, white vaseline 2, lanolin 0.8, beeswax 1.05, Noremulsol G5 0.1, cholesterol 0.08, lecithin 0.06, hydrogenated lecithin 0.07, water 3.14, Purcellin oil 10, Carbopol 1342 0.6, triethanolamine 0.6, glycerin 3, preservatives and fragrances q.s.; and water q.s. 100g.

ST cosmetic compn wax gelling agent; carboxylic acid fatty ester
 cosmetic compn; beeswax Noremulsol Carbopol
 cosmetic compn; Purcellin oil beeswax Noremulsol
 cosmetic compn

IT Beeswax
 Carnauba wax
 Ozocerite

Hydrocarbon oils
 Lanolin
 Lecithins
 Petrolatum
 Waxes and Waxy substances
 RL: BIOL (Biological study)
 (cosmetic compn. contg., triple emulsion)

IT Sulfonates
 RL: BIOL (Biological study)
 (alkane, C12-18, cosmetic compn. contg., triple emulsion)

IT Fats and Glyceridic oils
 RL: BIOL (Biological study)
 (animal, cosmetic compn. contg., triple emulsion)

IT Surfactants
 (anionic, cosmetic compn. contg., triple emulsion)

IT Essential oils
 RL: BIOL (Biological study)
 (bitter almond, cosmetic compn. contg., triple emulsion)

IT Vinyl compounds, polymers
 RL: BIOL (Biological study)
 (carboxy-contg., polymers, cosmetic compn. contg., triple emulsion)

IT Fatty acids, esters
 RL: BIOL (Biological study)
 (esters, cosmetic compn. contg., triple emulsion)

IT Alcohols, biological studies
 RL: BIOL (Biological study)
 (fatty, cosmetic compn. contg., triple emulsion)

IT Lecithins
 RL: BIOL (Biological study)
 (hydrogenated, cosmetic compn. contg., triple emulsion)

IT Alcohols, biological studies
 Fatty acids, biological studies
 RL: BIOL (Biological study)
 (lanolin, cosmetic compn. contg., triple emulsion)

IT Waxes and Waxy substances
 RL: BIOL (Biological study)
 (mineral, cosmetic compn. contg., triple emulsion)

IT Surfactants
 (nonionic, cosmetic compn. contg., triple emulsion)

IT Fats and Glyceridic oils
 RL: BIOL (Biological study)
 (vegetable, cosmetic compn. contg., triple emulsion)

IT 637-12-7, Alugel 44M 9000-07-1, Carrageenan 11138-66-2, Xanthan
 28474-30-8, Poly(glyceryl methacrylate) 76050-42-5, Carbomer 940
 77752-14-8, Purcellin oil 96827-24-6, Carbopol 1342 138789-85-2
 , Pemulen tr1 145687-02-1, Pemulen
 tr2 148093-12-3, Sepigel 305 154765-75-0, Noremulsol
 G 5
 RL: BIOL (Biological study)
 (cosmetic compn. contg., triple emulsion)

IT 7664-93-9D, Sulfuric acid, C12-18 alkyl derivs.
 RL: BIOL (Biological study)
 (n)

IT 138789-85-2, Pemulen tr1 145687-02-1
 , Pemulen tr2
 RL: BIOL (Biological study)
 (cosmetic compn. contg., triple emulsion)

RN 138789-85-2 HCAPLUS
 CN Pemulen TR 1 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

RN 145687-02-1 HCAPLUS
 CN Pemulen TR 2 (9CI) (CA INDEX NAME)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

L91 ANSWER 18 OF 18 HCAPLUS COPYRIGHT 2001 ACS
 AN 1988:555977 HCAPLUS
 DN 109:155977
 TI Stable and quick-breaking topical skin compositions from oil-in-water emulsions containing acrylic polymers
 IN Lochhead, Robert Yeats; Castaneda, Janet Yvonne; Hemker, Wilfried James
 PA Goodrich, B. F., Co., USA
 SO Eur. Pat. Appl., 14 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 IC ICM A61K007-48
 ICS A61K009-10
 CC 62-4 (Essential Oils and Cosmetics)
 Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 268164	A2	19880525	EP 1987-116398	19871106 <--
	EP 268164	A3	19890315		
	EP 268164	B1	19931222		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	AT 98864	E	19940115	AT 1987-116398	19871106
	ES 2061470	T3	19941216	ES 1987-116398	19871106
	JP 63185438	A2	19880801	JP 1987-281162	19871109
	BR 8706065	A	19880614	BR 1987-6065	19871110
	CN 87107781	A	19880831	CN 1987-107781	19871110
	US 5004598	A	19910402	US 1989-358924	19890531
PRAI	US 1986-928755		19861110		
	EP 1987-116398		19871106		

AB A storage-stable quick-breaking oil-in-water emulsion compn. comprises water, oil, and a modified polymer with water forming the continuous phase and oil the discontinuous phase of oil droplets dispersed in the water. The polymers is a copolymer with a major portion of a C3-6 monoolefinically unsatd. carboxylic acid or anhydride monomer and a minor portion of a long chain acrylate ester monomer. The emulsion breaks quickly on contact with an electrolyte. The acid or anhydride portion may be 90-98 wt.% and the ester portion 2-10 wt.%. The acid may be CH₂:C(R)COOH where R = H, halogen, OH, lactone, lactam, cyano, alkyl, aryl, aralkyl, alkaryl, or cycloaliph. group. A modified acrylic acid polymer contg. a small amt. of long chain alkyl acrylate was prep'd. from acrylic acid, stearyl methacrylate, and allyl pentaerythritol with lauryl peroxide, the modified polymer in powd. form was dispersed in cold deionized water, and mineral oil was added followed by triethanolamine as neutralizing agent to give an oil-in-water emulsion with droplet size .apprx.20-60 .mu.m and pH .apprx.5 which was stable >24 mo at room temp. and broke on contact with skin to release the oil. Moisturizing lotions, a barrier cream, a cleansing lotion, a waterless hand cleaner, a sunscreen lotion, and an aftershave were prep'd. using similar emulsions prep'd. with this polymer.

ST acrylic acid acrylate copolymer emulsion; methacrylic acid acrylate copolymer emulsion; oil water quick breaking emulsion

IT Paraffin oils

Siloxanes and Silicones, biological studies

RL: BIOL (Biological study)

(cosmetic emulsions contg.; with acrylic polymers, quick-breaking and storage-stable)

IT Acrylic polymers, biological studies

RL: BIOL (Biological study)

(oil-in-water emulsions contg., quick-breaking storage-stable, for cosmetics)

IT Cosmetics
 (oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Shaving preparations
 (aftershave, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Cosmetics
 (creams, barrier, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Cosmetics
 (emulsions, oil-in-water, contg. acrylic polymers, quick-breaking and storage-stable)

IT Detergents
 (hand cleaners, waterless, oil-in-water emulsions for, contg. acrylic polymers, quick, breaking and storage-stable)

IT Cosmetics
 (moisturizers, lotions, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT Sunburn and Suntan
 (sunscreens, oil-in-water emulsions for, contg. acrylic polymers, quick-breaking and storage-stable)

IT 79-41-4D, Methacrylic acid, polymers with alkyl oxirane-carbonyloxirane copolymer acrylate and Et acrylate 140-88-5D, polymers with alkyl oxirane-carbonyloxyethylene copolymer acrylate and methacrylic acid 95175-69-2, Acrylic acid-allyl pentaerythritol-stearyl methacrylate copolymer 116901-65-6D, alkyl derivs., polymers with Et acrylate and methacrylic acid
 RL: BIOL (Biological study)
 (oil-in-water emulsions contg., quick-breaking storage-stable, for cosmetics)

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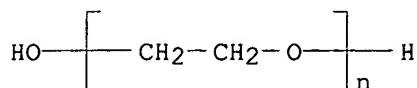
Structure search limits have been increased. See HELP SLIMIT for details.

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L11 ANSWER 1 OF 4 REGISTRY COPYRIGHT 2001 ACS
 RN 116901-65-6 REGISTRY
 CN 2-Propenoic acid, 2-carboxyethyl ester, polymer with .alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethanediyl) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy-, polymer with 2-carboxyethyl 2-propenoate (9CI)
 MF (C6 H8 O4 . (C2 H4 O)n H2 O)x
 CI PMS
 PCT Polyacrylic, Polyether
 SR CA
 LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

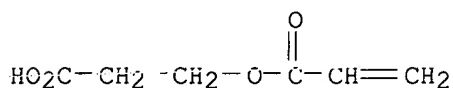
CM 1

CRN 25322-68-3
 CMF (C2 H4 O)_n H2 O
 CCI PMS



CM 2

CRN 24615-84-7
 CMF C6 H8 O4



1 REFERENCES IN FILE CA (1967 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 109:155977

L11 ANSWER 2 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN 95175-69-2 REGISTRY

CN 2-Propenoic acid, 2-methyl-, octadecyl ester, polymer with 3,3'-[[2,2-bis[(2-propenyloxy)methyl]-1,3-propanediyl]bis(oxy)]bis[1-propene] and 2-propenoic acid (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1-Propene, 3,3'-[[2,2-bis[(2-propenyloxy)methyl]-1,3-propanediyl]bis(oxy)]bis-, polymer with octadecyl 2-methyl-2-propenoate and 2-propenoic acid (9CI)

CN 2-Propenoic acid, polymer with 3,3'-[[2,2-bis[(2-propenyloxy)methyl]-1,3-propanediyl]bis(oxy)]bis[1-propene] and octadecyl 2-methyl-2-propenoate (9CI)

OTHER NAMES:

CN Acrylic acid-allyl pentaerythritol-stearyl methacrylate copolymer

MF (C22 H42 O2 . C17 H28 O4 . C3 H4 O2)x

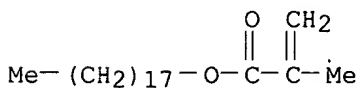
CI PMS, COM

PCT Polyacrylic, Polyvinyl

LC STN Files: CA, CAPLUS, TOXLIT, USPATFULL

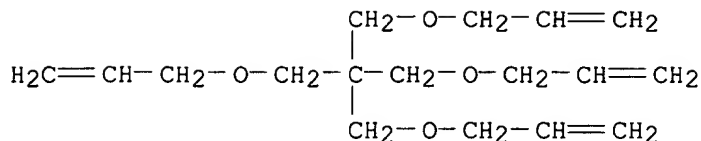
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CRN 32360-05-7
 CMF C22 H42 O2



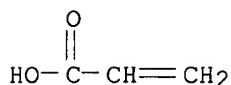
CM 2

CRN 1471-18-7
 CMF C17 H28 O4



CM 3

CRN 79-10-7
 CMF C3 H4 O2



4 REFERENCES IN FILE CA (1967 TO DATE)

4 REFERENCES IN FILE CAPLUS (1967 TO DATE)

REFERENCE 1: 119:278771

REFERENCE 2: 109:155977

REFERENCE 3: 105:98599

REFERENCE 4: 102:115099

L11 ANSWER 3 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN 140-88-5 REGISTRY

CN 2-Propenoic acid, ethyl ester (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Acrylic acid ethyl ester (6CI, 8CI)

OTHER NAMES:

CN 2-Propenoic acid ethyl ester

CN Ethyl 2-propenoate

CN Ethyl acrylate

CN Ethyl acrylic ester

CN Ethyl propenoate

FS 3D CONCORD

MF C5 H8 O2

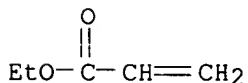
CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
 BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
 CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DETHERM*, DIPPR*,
 EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPAT, ENCOMPAT2, GMELIN*, HODOC*,
 HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC,
 PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT,
 TULSA, ULIDAT, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



5541 REFERENCES IN FILE CA (1967 TO DATE)

944 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

5547 REFERENCES IN FILE CAPLUS (1967 TO DATE)

209 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:184535
REFERENCE 2: 135:182314
REFERENCE 3: 135:182190
REFERENCE 4: 135:180951
REFERENCE 5: 135:180559
REFERENCE 6: 135:167142
REFERENCE 7: 135:167054
REFERENCE 8: 135:166685
REFERENCE 9: 135:160158
REFERENCE 10: 135:153141

L11 ANSWER 4 OF 4 REGISTRY COPYRIGHT 2001 ACS

RN ~~79-41-4~~ REGISTRY

CN 2-Propenoic acid, 2-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Methacrylic acid (8CI)

OTHER NAMES:

CN .alpha.-Methacrylic acid

CN .alpha.-Methylacrylic acid

CN 2-Methyl-2-propenoic acid

CN 2-Methylacrylic acid

CN GE 110

CN Loctite 3298

CN Methylacrylic acid

FS 3D CONCORD

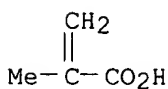
MF C4 H6 O2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS, BIOTECHNO, CA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM*, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXLINE, TOXLIT, TRCTHERMO*, TULSA, ULIDAT, USPATFULL, VTB
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



13842 REFERENCES IN FILE CA (1967 TO DATE)

7727 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

13866 REFERENCES IN FILE CAPLUS (1967 TO DATE)

11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 135:189386
REFERENCE 2: 135:187748
REFERENCE 3: 135:185210
REFERENCE 4: 135:184535

REFERENCE 5: 135:182928
REFERENCE 6: 135:182926
REFERENCE 7: 135:182380
REFERENCE 8: 135:182244
REFERENCE 9: 135:182095
REFERENCE 10: 135:181944

	L #	Hits	Search Text	DBs	Time Stamp
1	L1	790	("514/938").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:56
2	L2	3091	("424/401").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:56
3	L3	358	("424/70.16").CCLS.	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:57
4	L4	26347	(oil adj2 water) same emulsion	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:32
5	L5	50561 7	copolymer copolymerize copolymerization copolymerise copolymerisation	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 18:59
6	L6	37787 0	(carboxylic acrylic methacrylic arylcarboxylic alkylcarboxylic lactocarboxylic) near3 acid	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:05

	L #	Hits	Search Text	DBs	Time Stamp
7	L7	2909	alkylacrylate decylacrylate laurylacrylate stearylacrylate behenylacrylate melissylacrylate decylmethacrylate laurylmethacrylate stearylmethacrylate behenylmethacrylate melissylmethacrylate decylmethylacrylate laurylmethylacrylate stearylmethylacrylate behenylmethylacrylate melissylmethylacrylate	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:07
8	L8	8606	methyldecylacrylate methyl laurylacrylate methylstearylacrylate methyl behenylacrylate methylmelissylacrylate ((decyl lauryl stearyl behenyl melissyl) adj (acrylate methylacrylate methacrylate))	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:08
9	L9	158	(pemulen near3 (tr1 tr2)) (carbopol near3 "1382")	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:09
10	L10	11272	7 or 8 or 9	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:09
11	L11	1914	5 same 6 same 10	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:09
12	L12	110	11 and 4	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:09

	L #	Hits	Search Text	DBs	Time Stamp
13	L13	34	12 and (2 or 3)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
14	L14	12	12 and 1	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:09
15	L15	11	13 and 14	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:14
16	L16	30163 7	(particle globule) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:20
17	L17	7	15 and 16	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:17
18	L18	30542 4	(particle globule oil oily fatty) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:47
19	L19	7	15 and 18	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:20
20	L20	7056	(oil oily fatty) near3 (size micron micrometer um)	USPA T; EPO; JPO; DERW ENT	2001/09/0 1 19:21

	L #	Hits	Search Text	DBs	Time Stamp
29	L31	1426	(oil adj2 water) same microemulsion	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:35
30	L32	1	11 and 31	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:36
31	L33	76	12 not 13	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:36
32	L34	43	33 and 18	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:36
33	L35	27	34 and @py<1997	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:37
34	L36	157856	cosmetic cosmetically ((skin hair nail lip) near3 (care composition cream creme lotion ointment gel mousse spray aerosol)) shampoo makeup blusher eyeshadow eyeliner lipstick mascara lipgloss (nail adj (enamel polish lacquer varnish))	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:40
35	L37	27	33 and 36	USPA T; EPO; JPO; DERW ENT	2001/09/01 19:41